

NOVEMBER 30 will mark the day when IIT will be given another opportunity to make a contribution to the armed forces. At that time the Red Cross will be here seeking co-operation from everyone, which includes Armour, Lewis, and faculty. Last week a letter was printed from a reader who stated that many were willing to give their blood the previous semester, but had made their appointments too late to be accommodated. If they are still willing, now is the time to make that appointment.

THE CURRICULUM COMMITTEE will meet this week to discuss student activities. The committee is dissatisfied with the present set-up. Participation in student activities now takes the form of extremes. There are either too few students taking part in too many activities, or too many students in too few activities.

One man cannot assume the leadership of numerous organizations and still give them the full benefit of his abilities. The benefit to the group is proportional to the amount of time that the man is able to expend.

By far the most important result of this discussion will be to encourage the participation of all students in extra-curricular activities. These activities are a vital part of the student's education. Only ten percent of the men who graduate from this institution are capable of becoming a success on the basis of their scholastic accomplishments. The remaining 90 per cent will have to supplement their knowledge with the ability to meet people and get along with them.

There are many people who will and who have graduated from this school that do not possess this ability. To develop and encourage that ability should be one of the primary purposes of the various clubs and organizations on a college campus. Because of this, the administration recognizes extra-curricular activities as an integral part of any college education.

ONLY 38 PER CENT of the Lewis student body showed enough interest in their school to participate in the ITSA elections held last Friday.

I believe that this is a good answer to those people at Lewis who demand to know why their college is never fully represented at IIT functions. If there is no interest, or if no effort is made on their part to realize adequate representation such conditions are bound to exist.

Fraternity Dance Planned for Dec. 4

The date for the Interfraternity Dance has been changed to December 4. Dancing will begin at 8 p.m. in the Student Union auditorium, and music will be furnished by the 13 piece navy V-12 band under the direction of chief petty officer Fred Godfrey.

A floor show will be featured, each fraternity providing 10 to 15 minutes of entertainment.

The affair is open to those who are members of any social fraternity on this campus. Earl Lichten, who is in charge of the affair, also extends an invitation to those army and navy men here who have been members of a social fraternity on other campuses.

No Graduate House for Duration Says Grinter

There will be no permanently established Graduate House until after the war, stated Dean Linton E. Grinter.

The Dean explained this on the ground that the number of students that could be accommodated by a new house would be too small. At the present time, temporary quarters for the graduate students are located at 4170 Drexel Ave.

the new

TECHNOLOGY NEWS

Volume 33, No. 1 Z-143

ILLINOIS INSTITUTE OF TECHNOLOGY

November 22, 1943

Carl Ravaza to Play for Dance

Dance Bids to Be Awarded in "News" Contest

Equation to Represent Phenorten Found by Math Department

Bids to the Integral Queen Dance will be awarded to the winner and runner-up in *Technology News*' phenorten contest. The dance is to be held at the Drake Hotel, Dec. 11.

Considerable discussion has been aroused concerning the subject of phenortens by the *Technology News* contest. Phenortens are no longer confined to the IIT campus alone.

Students living on the north side have said that the phenorten has found his way to the "L" platforms of their neighborhoods. The east "L" platform at 33rd is also profusely decorated with phenortens, as most of the "L" riders have discovered. Prominent among these is one Frank Sinortren who can be seen coily around a microphone.

However, phenorten fans are not confined to the students alone. Dr. Michael Sadowsky, professor of mathematics, had for one problem on an exam in differential equations last semester: "Draw your favorite phenorten. Known varieties include Juice, Drafted, Jap, Frank, Pistol-packing. You may draw an original one if you wish."

Equation of Phenorten

Another faculty member who has become interested in the subject is Robert Reynolds, assistant in mathematics. Attracted by the more quantitative aspects of the phenorten, Reynolds developed the Equation of the Phenorten. This is not a hoax, and if the equation is graphed on the usual rectangular coordinates, the result is a phenorten—named by Reynolds auricosextidigitphenorten. The equation is—

$$\begin{aligned} &[y - (16 - x^2)]^2 \\ &[y + 3(1 - 16x^2/25)]^2 \\ &[y - 5/2 \pm (1/16 - [x - 1]^2)^2] \\ &[y - 5/2 \pm (1/16 - [x + 1]^2)^2] \\ &[y - (1/16 - [x \pm 15/2]^2)^2] \\ &[y - (1/16 - [x \pm 8]^2)^2] \\ &[y - (1/16 - [x \pm 17/2]^2)^2] = 0 \end{aligned}$$

Faculty Interested

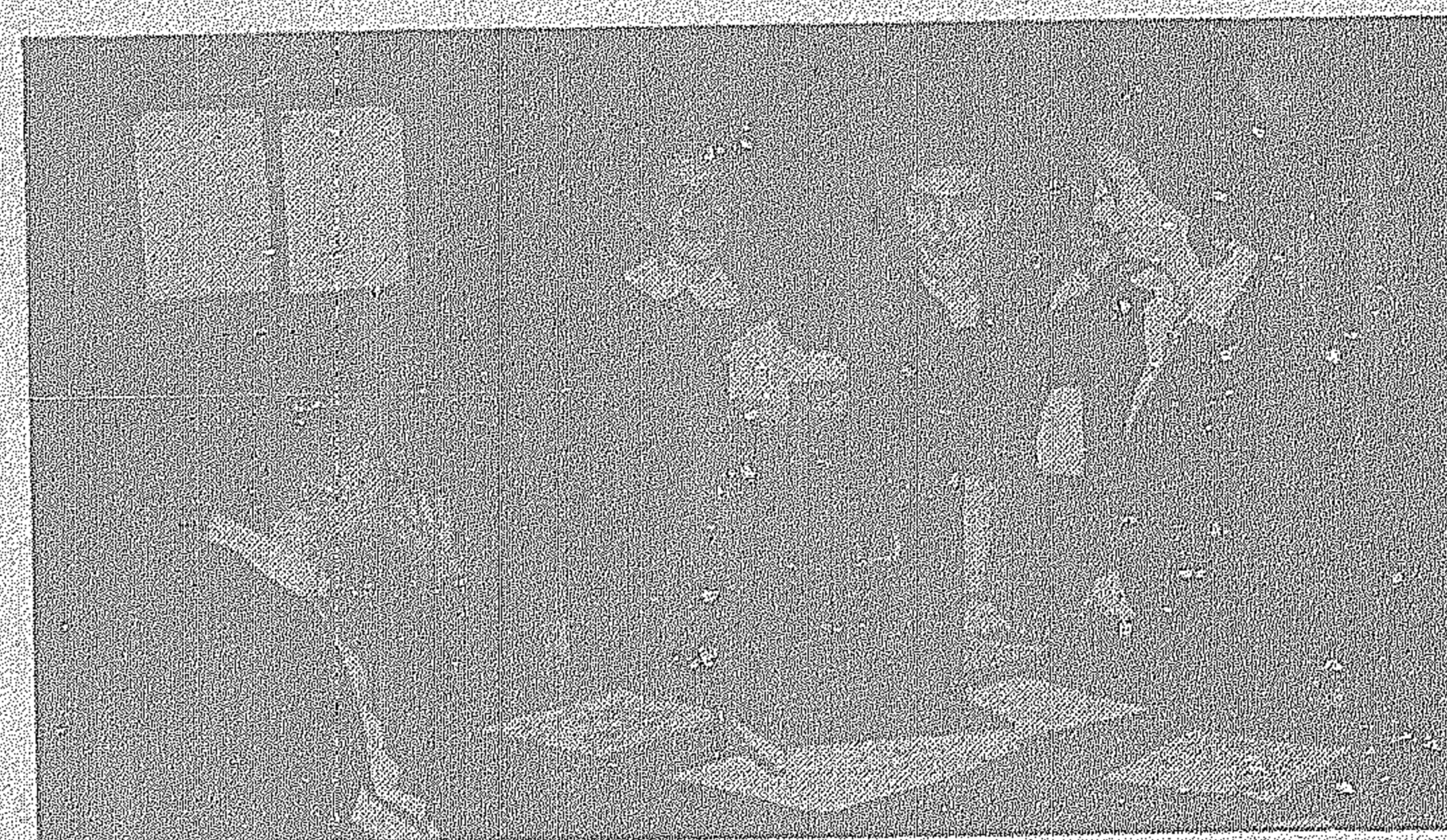
The chemistry department, too, seems well aware of phenorten. In a recent organic chemistry lecture, Dr. Herbert Bernstein, professor of chemistry, assured the class that if the same reaction were run under the same conditions, the results would be the same—unless, he qualified, a phenorten gets in there somehow.

As announced in recent issues of *Technology News*, entries will be accepted up until noon this Thursday. They may be put in the *Technology News* box in the Student Union lobby, or brought up to the news office, first entrance, fourth floor, Chapin. The results will be published in the Nov. 29 issue of *Technology News*. These results will include the names of the winners as well as pictures of the winning entries.

Miss Lowrey Leaves IIT

Miss Jeanette Lowrey, assistant to the director of the News Bureau, has left Illinois Tech to take a position as Senior Assistant Press Relations Officer with the University of Chicago, according to Mr. Paul O. Ridings, director of the News Bureau.

Lewis Students Vote in ITSA's Election



CASTING BALLOT—Lillian Seges casts her ballot in ITSA election.

Kronenberg Elected Lewis ITSA Vice-president, Wins 48 to 45

ASSC to Donate \$75 To Navy Dance Band

The All School Social Committee will donate \$75 to the navy band, announced chairman Mike Coccia today. This will be used to buy stands, lights, sheet music and other accessory equipment for the band, he said.

The ASSC, which is a committee sponsored by ITSA funds, was recommended to receive \$1,200 in the new ITSA budget. This appropriation enabled the committee to make the donation, said Coccia.

Lorraine Kronenberg, senior political and social science major, is the new Lewis ITSA vice-president by a three vote margin. Her victory over Charles Conforti, a senior in chemistry, was decided by a 48 to 45 vote in the Friday elections.

Thirty-eight percent of the eligible voters took part in the election, which saw Conforti cut one vote off Kronenberg's lead of last week's primary ballot.

Viola Sievers was elected Lewis ITSA representative-at-large in the elections held on November 12. The elections were conducted under the directions of Ronald Lind, ITSA vice-president.

Lewis to Have Student Lounge; Dean Grinter Promises \$1500

Fifteen hundred dollars have been promised for furnishing Room 616 at Lewis, which means that the Lewis Student Lounge will become a reality in the very near future. This statement was made last Friday by Rhoda Weitzman, head of the Lewis committee in charge of plans for the student lounge.

The committee, headed by Rhoda Weitzman met with various officials in the school at the beginning of last week. Bernard Weissman commented that room 616 located on the top floor of the Lewis building would be an ideal location for the student club to be organized.

Hockey Hop to Be Held December 22

The fourth annual Hockey Hop will take place in the Student Union auditorium and lounge on Wednesday evening, December 22, from 9 to 12 o'clock.

According to captain Jack Eulitt, the music will be supplied by C.P.O. Fred Godfrey and his band of navy men. Eulitt also stated that the bids will be on sale during the second week of December and will cost one dollar each.

Although proceeds of the dance will go to the hockey team, additional funds will probably be needed, and a request for money is now before the ITSA.

New Faculty Directory To Be Published Soon

A new Illinois Tech faculty directory is being planned by the Registrar's Office and will be issued within the next few weeks, according to Dr. Charles W. Kepner, registrar.

The new directory will contain the names, addresses, and titles of the members of the faculty, the Research Foundation, and the Institute of Gas Technology. Other general information such as the degrees earned by the individual will be included.

President Heald approved the idea of having such facilities for the students as long as they would result in no harm to the war effort. Mr. Schommer stated that this was something that there had always been a definite need for.

Dean Linton E. Grinter, vice-president of IIT, after investigating the matter promised the \$1500. A mass meeting of the students at Lewis has been set for 11 a.m., Tuesday, Nov. 23, in room 616.

A vote by the students will decide whether they will pay \$2 for lounge membership cards.

Dr. Thompson to Speak

Dr. James S. Thompson, head of the physics department, will speak at a Sigma Xi meeting of the University of Chicago chapter next Tuesday evening. Subject of his talk will be the electron microscope, and he will discuss some of the theory involved in its operation.

Big Name Band Will Feature Integral Dance

Gold Coast Room Will Be Site for Integral Dance Saturday Dec. 11

Carl Ravaza's orchestra will play at the Integral Queen Dance, announced Mike Coccia, chairman of the ASSC, today.

The dance will be held on December 11 in the Gold Coast Room of the Drake Hotel. Bids will be placed on sale at the end of this week.

Before coming to Chicago, Ravaza's orchestra played at the Hollywood Bowl and other prominent spots in Los Angeles, stated Art Devitt, business manager of the ASSC. While here, he played at the Trianon Ballroom and has just finished a long run at the Blackhawk.

"Besides his music, Ravaza is noted for witty songs which have been the cause of a great deal of hilarity at both the Trianon and the Blackhawk. Several members of his band also have comedy skits," said Devitt.

The Gold Coast Room will hold well over 800 persons, said Coccia after visiting the room and talking with the manager of the Drake.

The feature of this dance will be the crowning of the Integral Queen. Special plans for the ceremony are being made by Ted Pilat, editor of the annual.

The Integral staff has announced that the winner of the Integral Queen contest has as her first initial the letter "N". She is one of the five blonds that were in the contest and won by a plurality of 144 votes. The votes were counted by Harry Beach, Ted Pilat, Ray Berggren, Harry Anderson (representing the ITSA), and Earl Mills, (representing the Honor Board), stated Pilat, Armour editor of the Integral.

Only 400 bids will be available, stated the ASSC committee. After those are gone, no more will be put on sale.

Back to Play for Free ASSC Dance

Will Back's orchestra will play at the ASSC free dance this Saturday night, announced Mike Coccia today. The dance is to be held in the auditorium and lounge of the Student Union.

"We wanted to obtain a really good orchestra for this free dance," Coccia said. Back and his band played at the last school dance in the Furniture Club of America on October 9.

The dance is scheduled to start at 8:30 p.m. this Saturday night, and will continue until midnight, according to Coccia. The faculty dining room will be used to serve refreshments.

Armour Man Is Veteran Of 138 Aerial Missions

Lieutenant Charles F. Jones, former student at Armour Institute, has experienced 138 aerial missions since his enlistment in the Royal Canadian Air Force in February, 1941.

Transferring to the U.S. Air Forces last November, Jones has since been credited with four possible German fighters shot down.

Lt. Jones is home on special leave because his father is ill.